



**SAFE, SMART,
SOLUTIONS FOR IOWA**

HOUSEHOLD HAZARDOUS MATERIALS PROGRAMS

FISCAL YEAR 2008



Iowa Department of Natural Resources
Environmental Services Division

HOUSEHOLD HAZARDOUS MATERIALS PROGRAMS

January 2009



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FOREWORD

The Land Quality Bureau develops, implements and administers a variety of programs and projects that work together to provide lowans proper management education and proper disposal opportunities for hazardous materials generated in the household, on the farm, in industrial and commercial sectors, and in schools.

The Household Hazardous Material Programs report discusses actions and results of these actions undertaken by the Land Quality Bureau and its stakeholder partners in Fiscal Year 2008.

The Land Quality Bureau believes that this report will provide the reader with a better understanding of the opportunities afforded them and the activities taking place to address the negative consequences common household hazardous materials have on human health, safety and our environment.

Thank you for investing your time to review this report. It is important that lowans share in the understanding of how everyday actions, including the common products we use, store and dispose affect our lives.

In 2008, the Iowa Poison Control Center reported over 9,741 exposures to household hazardous materials through December 1.

Household Hazardous Materials are the leading cause of poisonings in children. 60% of all poisonings occurred in children under the age of six.

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INTRODUCTION

HOUSEHOLD HAZARDOUS MATERIALS

A Household Hazardous Material (HHM) is a term defining common household materials or products that have one or more of the following characteristics:

- **Toxic** – poisonous, causing cancer or other health problems
- **Corrosive** – destroys human tissue or corrodes metal
- **Flammable** – easily ignitable and will burn
- **Reactive** – explosive through exposure to heat, sudden shock, pressure or comes into contact with incompatible chemicals

Common household hazardous materials include, but are not limited to:

- | | |
|-------------------------------|------------------------------|
| • Pesticides | • Oil based paints |
| • Petroleum based fertilizers | • Caustic household cleaners |
| • Motor oil & antifreeze | • Waxes and polishes |
| • Cathode Ray Tubes (CRTs) | • Degreasers |

Household Hazardous Waste (HHW) is commonly defined as waste from residential sources composed of old or unwanted products that exhibit any of the characteristics of household hazardous materials.

In Iowa, HHMs and HHWs also include wastes generated by businesses classified as a Conditionally Exempt Small Quantity Generator (CESQG) by the US EPA. *This classification applies to businesses that generate less than 220 pounds of hazardous waste or less than 2.2 lbs of acute hazardous waste per month or less than 220 pounds of spill residue per month.*

HHW contains most of the same chemical types found in commercial and industrial hazardous waste. Though less concentrated, HHWs in aggregate should be managed with the same considerations that caused the EPA and States to ban commercial and industrial hazardous waste from sanitary landfills.

HHMs are found in nearly every store, under every sink, in closets, basements and garages. Consequently, nearly every household and business in the state generates HHW. This hazardous waste is likely to end up in local solid waste facilities, or in municipal sewer systems, septic tanks or released directly into the environment unless steps are taken to manage this waste independently from other household and business wastes. This report discusses several HHW programs and projects the Land Quality Bureau's Financial and Business Assistance Section provides lowans to properly manage hazardous wastes.

WHY ARE HHMS OF CONCERN?

HHMs and HHWs are associated with adverse health, environmental and safety effects. Health effects caused by hazardous waste can be acute (sudden or immediate onset of severe symptoms) or chronic (gradual onset of symptoms occurring through repeated exposure over an extended period of time).

Through December 1, 2008, the Iowa Poison Control Center reported 9,741 exposures to HHMs. Children are of special concern, as they are more susceptible to toxins than adults. A majority of all poisonings in Iowa (60 percent) occurred in children under the age of six. Particularly in children, toxins may impair their immune and reproductive systems and can impact mental development.

WHAT ABOUT HHMS STORED IN HOMES?

HHMs found in homes cause a major percentage of accidental poisonings of humans and pets. The majority of poisonings in the home occur in children and are directly related to common household hazardous products improperly used and stored. Improper storage of HHMs in homes and businesses is a common cause of fires, explosions and the release of toxic fumes which negatively affect indoor air quality and can put firefighters in danger when they respond to an emergency call.

WHAT IS THE VALUE OF HHW COLLECTION PROGRAMS?

HHW collection programs allow households and businesses to minimize their impact on the environment and to improve the health and safety in homes and businesses. Improper disposal of household hazardous waste includes dumping into ditches or on the ground, pouring down drains or sewers, and placing in the trash. Each of these improper disposal actions result in negative consequences.

Dumping HHWs in ditches or on the ground releases hazardous chemicals directly into the environment where these toxins often flow directly into Iowa's water bodies, exposing wildlife, pets and humans to direct and indirect contact and uptake through inhalation, absorption and ingestion.

Pouring HHWs down drains and sewers can cause severe consequences. Numerous reports exist where improper disposal of HHWs in this manner has caused explosions and noxious fumes in the sewer system and residential basements. Storm sewers often empty directly into lakes and streams, a direct conduit for hazardous chemicals to impact drinking water, recreation, and aquatic life. Studies have also shown that some hazardous chemicals can pass through water treatment systems unaltered and are again discharged to the environment, contaminating our lakes and streams.

Continued next page

Water treatment and septic systems are also put at risk as HHWs kill the beneficial bacteria that aid in the breakdown of waste, compromising the effectiveness of waste treatment thus preventing raw sewage from being properly treated.

Placing HHWs in the trash easily provides the opportunity for incompatible chemicals to mix. Numerous reports exist where trash collectors and landfill operators have been injured from hazardous waste in municipal trash. Chemical reactions from mixing various HHWs can result in explosions, fires, and toxic fumes causing personal injury and damage to equipment.

Improper disposal of HHWs has an environmental, safety, and economic cost. Counties and cities depend upon healthy waterways to support tourism including fishing and other water-based recreation activities. Rivers serve as the source of drinking water for many Iowans. The benefits of contaminant-free drinking water are obvious. Aquatic life and wildlife using our lakes and streams are also put at risk by improper disposal of hazardous wastes.

TOXICS IN PACKAGING

The goal of this program is to phase out the use and presence of mercury, lead, cadmium and hexavalent chromium in packaging. Nineteen states, including Iowa, have enacted legislation to support this goal of this program.

Since packaging comprises approximately one-third of the solid waste stream, it is hoped this legislation (Iowa Code 455D.19) will curb the amount of heavy metals entering the municipal solid waste stream and the environment through landfills, incinerators, littering or illegal dumping. A reduced contribution of these metals to the waste stream will gradually lower their harmful presence in the environment.

The Toxics in Packaging Clearinghouse (TPCH) in which Iowa is a member, conducted an assessment of 355 packages by screening them for the heavy metals identified above. Packages were obtained primarily at retail establishments in member states from across the country and included all types of packaging materials (aluminum, glass, paper, plastic, and steel). One out of every 6 packages exceeded the threshold of 100 ppm for the presence of one or more of the restricted heavy metals. Cadmium and lead were the most frequently detected heavy metals. On average cadmium concentrations for packaging failing the screening was 449 ppm and average lead concentrations were 1,740 ppm.

Dialogues with 35 companies selling or distributing the suspected non-compliant packaging material is taking place for voluntary removal of the packaging materials from retail shelves before legal action is initiated.

Once released, the Assessment of Heavy Metals in Packaging report gained national attention being featured on the Good Morning America show and in over 30 print and on-line publications including the New York Times.

A second grant was received from the EPA to continue testing an additional 400 packaging products. Testing is currently taking place under this grant.

USED OIL FILTER LEGISLATION

During the 2008 legislative session, Iowa Code 455D.13 was amended by placing certain requirements on oil filter retailers and non-household generation of used oil filters.

Changes to 455D.13 include:

- Retailers selling oil filters are now required to accept used oil filters from the public or post notice of the nearest location where a customer may dispose of used oil filters for recycling.
- Businesses generating used oil filters or collecting used oil filters from a person shall not dispose of the oil filters in a sanitary landfill and shall source separate and recycle the oil filters.
- Amending the term “waste oil” to “used oil”. This reflects a shift in philosophy. Materials once thought to be a waste are now understood to be a resource with economic value in the market place.

The Department’s administrative rules, Chapter 119, Used Oil and Used Oil Filters, were amended to reflect these changes in Iowa law. Changes to Chapter 119 will become effective on February 4, 2009.

Used oil filters typically contain up to several ounces of oil even after following EPA guidelines on draining the filters. By recycling the used oil filters the used oil is recovered diverting several thousands of gallons of oil from the landfill. Steel oil filter casings are also recovered for recycling and thus diverted from the landfill and marketed as scrap metal. The paper filter media may also be used as an alternative fuel product.

REGIONAL COLLECTION CENTER PROGRAM (RCC)

Regional Collection Centers (RCCs) are permanent collection facilities designed to assist the public and conditionally exempt small quantity generators (CESQG) with proper management and disposal of hazardous waste. RCCs accept specific types of hazardous waste for disposal, provide a materials exchange (Swap Shop) and work to educate Iowans in proper purchasing and management techniques for HHMs.

Currently, 21 operating RCCs serve 88 counties with a variety of programs including daily access to a hazardous material drop-off site. Twenty-two cities in six counties have contracts with RCC's to provide mobile pick up events at least twice a year. Facilities in Fremont, Woodbury, Wapello and Davis counties are under construction and are expected to begin operations in summer of 2009. The DNR received two requests for establishment funding in FY2008. These requests totaled \$129,136 for the addition of a new satellite facility in Marshall County and a new RCC in Cass County, which opened in the summer of 2008.

REGIONAL COLLECTION CENTER PROGRAM: FY 2008 SUMMARY

Establishment Grants	\$129,136
Operating Assistance Support	\$318,511
Total Department Investment	\$447,647
Total Waste Collected	3,472,467 lbs.
Total Waste - Contracted for Disposal	912,478 lbs.
Number of Participant Households	24,198
Average HHW Collected per participant	120 lbs.
Number of CESQG participants	1,451
Average HHW Collected per CESQG	296 lbs.

SECTION 1: INDIVIDUAL STATISTICS FOR REGIONAL COLLECTION CENTERS

This section highlights statistics from Regional Collection Centers in the state of Iowa that are currently in operation and collecting household hazardous waste. Regional Collection Centers listed below are either not actively collecting HHW, initiated operations too late in FY 2008 to be included in this report, or are self-funded:

Cass Co. RCC
Mahaska Co. RCC
Monona Co. RCC
NIASWA RCC
Rathbun Area RCC

REGIONAL COLLECTION CENTER ACCOMPLISHMENTS Fiscal Year 2008

COUNTY COVERAGE

RCCs	22 counties
Satellites	36 counties
Mobile Collections	22 counties
Cities with contracts for Cleanup Days	6 counties
Total Counties with RCC service	84 counties

Total Program Investment for FY 2008	\$447,646
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HHW MANAGED LOCALLY:

Latex Paint	739,191 lbs.
Used Motor Oil	414,134 lbs.
Used Lead-acid Batteries	205,234 lbs.
Other Waste (sharps, scrap metals, electronics, etc.)	1,197,855 lbs.
Materials reused locally through Swap Shop	237,819 lbs.
TOTAL MANAGED LOCALLY	2,559,989 lbs.
TOTAL CONTRACTED HHW DISPOSAL	912,478 lbs.
TOTAL AMOUNT OF HHW MANAGED	3,472,467 lbs.

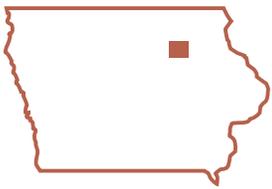
RCC BENEFITS

- Permanent availability, often year-round
- Increased surface and groundwater protection
- Increase in worker safety for both solid waste collectors and landfill operators
- Decrease in hazardous exposures to humans and pets
- Reduced potential for damage to sewer and septic systems from improper disposal
- Lower disposal cost per pound
- Ongoing education for Iowa residents
- Available to CESQG businesses, schools, etc.
- One facility can serve several counties

Total Household Participation	24,198
Total Small Quantity Generator Participation	1,451
TOTAL PARTICIPATION	25,649

KEY POINTS SUMMARY

Average weight of waste collected per household	120 lbs.
Average weight of waste collected per business	296 lbs.
Total IDNR Reimbursement per pound of hazardous waste collected for contracted disposal	\$0.35



MAIN FACILITY:
Bremer County

POPULATION:
8,860 households

CONTACT INFO:
415 E. Bremer Ave.
Waverly, IA 50677

Brett Bienemann
(319) 352-4574

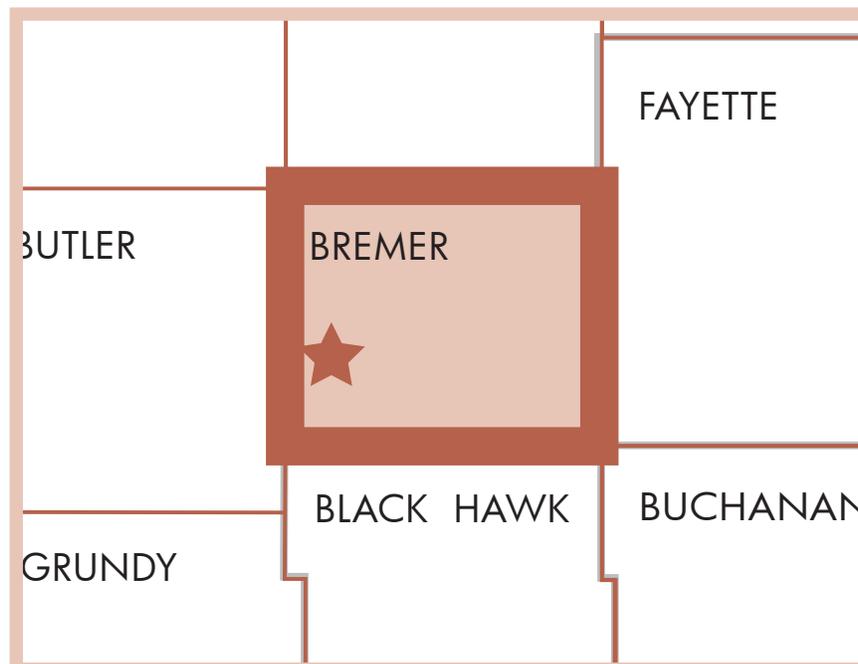
Operation and
Disposal Support
from DNR
\$6,281.90

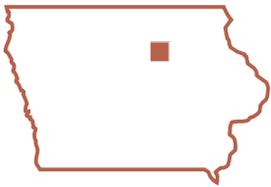
BREMER COUNTY REGIONAL COLLECTION CENTER

PARTICIPATION OVERVIEW		
	Number of Participants	Percent Participation
Households participating	230	2.60
Conditionally exempt small quantity generators	0	not available

TYPE OF WASTE COLLECTED		
	Subtotal Lbs.	Total Lbs.
Lead acid batteries managed locally	0	
Latex paint managed locally	5,662	
Used oil managed locally	0	
Other managed locally (sharps, electronics)	550	
TOTAL MANAGED LOCALLY		6,212
TOTAL CONTRACTED HHW DISPOSAL		15,144
TOTAL POUNDS MANAGED		21,356
Amount distributed in a Swap Shop	0	

KEY POINTS SUMMARY	
Total pounds collected per household	90
Total pounds collected per CESQG	0





MAIN FACILITY:
Butler County

POPULATION:
6,175 households

CONTACT INFO:
25251 Hwy. 3 East
P.O. Box 121
Allison, IA 50602

Tom Cain
(319) 267-2070

Operation and
Disposal Support
from DNR \$108.36

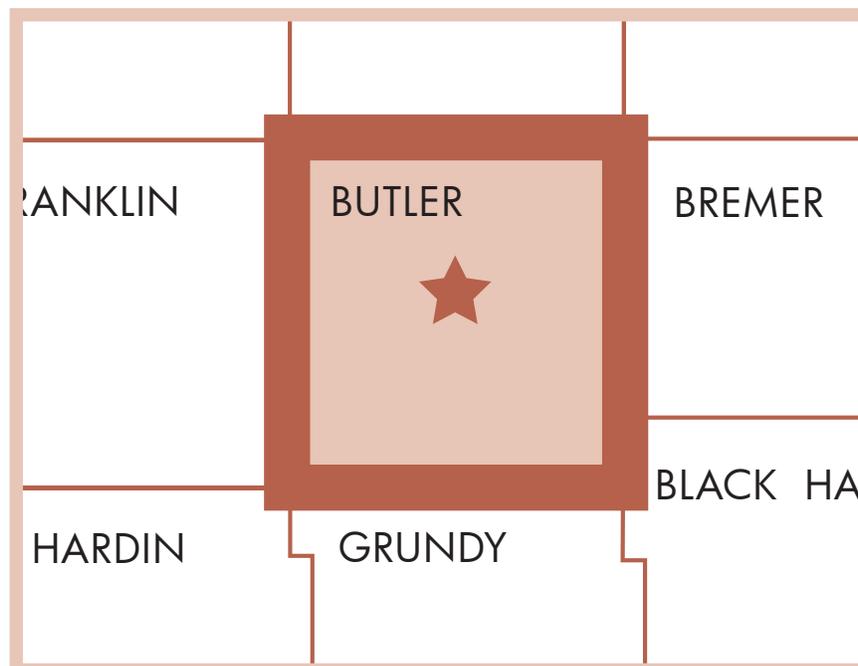
*Butler County was one of many Iowa counties affected by the natural disasters of 2008, including floods and tornadoes. The Federal Emergency Management Assistance Program collected and disposed of a vast quantity of Butler County's HHW, including pounds eligible for disposal assistance. The disaster-associated waste is noted under locally managed waste.

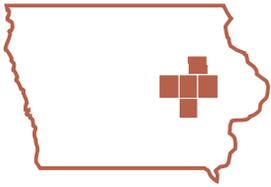
BUTLER COUNTY SWA REGIONAL COLLECTION CENTER

PARTICIPATION OVERVIEW		
	Number of Participants	Percent Participation
Households participating	400	6.48
Conditionally exempt small quantity generators	0	not available

TYPE OF WASTE COLLECTED		
	Subtotal Lbs.	Total Lbs.
Lead acid batteries managed locally	6,150	
Latex paint managed locally	10,000	
Used oil managed locally	2,850	
Other managed locally (sharps, electronics)	96,317	
TOTAL MANAGED LOCALLY*		115,317
TOTAL CONTRACTED HHW DISPOSAL		262
TOTAL POUNDS MANAGED		115,578
Amount distributed in a Swap Shop	0	

KEY POINTS SUMMARY	
Total pounds collected per household*	289
Total pounds collected per CESQG	0





MAIN FACILITY:
Linn County

SATELLITE FACILITIES:
Benton, Buchanan,
Iowa and Tama
counties

POPULATION:
107,608 households

CONTACT INFO:
P.O. Box 2068
Cedar Rapids, IA
52732

Shawn Obert
(319) 373-4771

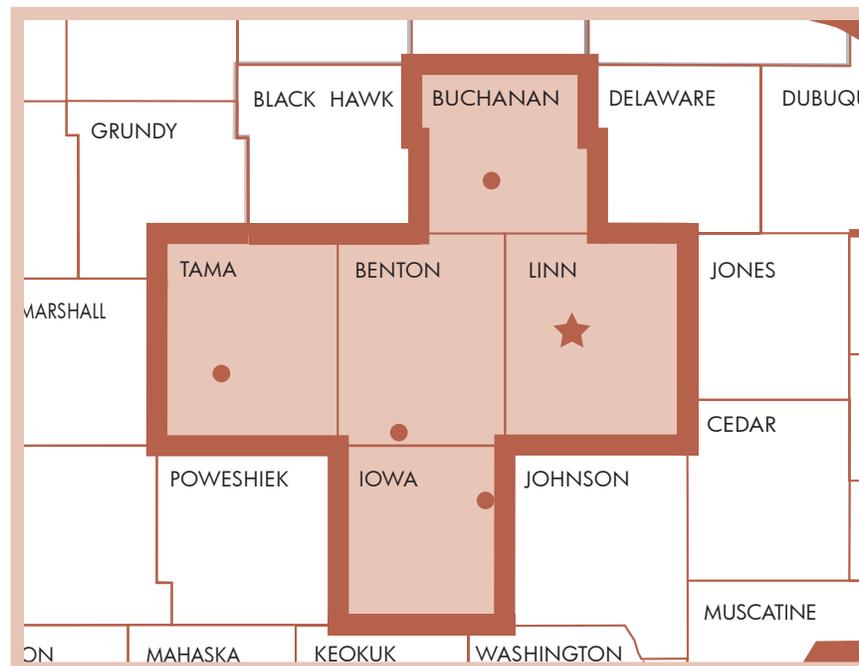
CEDAR RAPIDS/LINN COUNTY SWA REGIONAL COLLECTION CENTER

PARTICIPATION OVERVIEW		
	Number of Participants	Percent Participation
Households participating	2,678	2.49
Conditionally exempt small quantity generators	697	not available

TYPE OF WASTE COLLECTED		
	Subtotal Lbs.	Total Lbs.
Lead acid batteries managed locally	1,483	
Latex paint managed locally	97,673	
Used oil managed locally	16,142	
Other managed locally (sharps, electronics)	186,578	
TOTAL MANAGED LOCALLY		301,876
TOTAL CONTRACTED HHW DISPOSAL		130,926
TOTAL POUNDS MANAGED		473,406
Amount distributed in a Swap Shop	40,604	

Operation and
Disposal Support
from DNR
\$64,158.81

KEY POINTS SUMMARY	
Total pounds collected per household	140
Total pounds collected per CESQG	53





MAIN FACILITY:
Clinton County

MOBILE COLLECTION SERVICE: Clinton, Cedar, Jackson and Jones Counties

SATELLITE FACILITIES:
Cedar, Jackson and Jones Counties

POPULATION:
42,890 households

CONTACT INFO:
4292 220th St.
Clinton, IA 52732

Brad Seward
(563) 243-4749

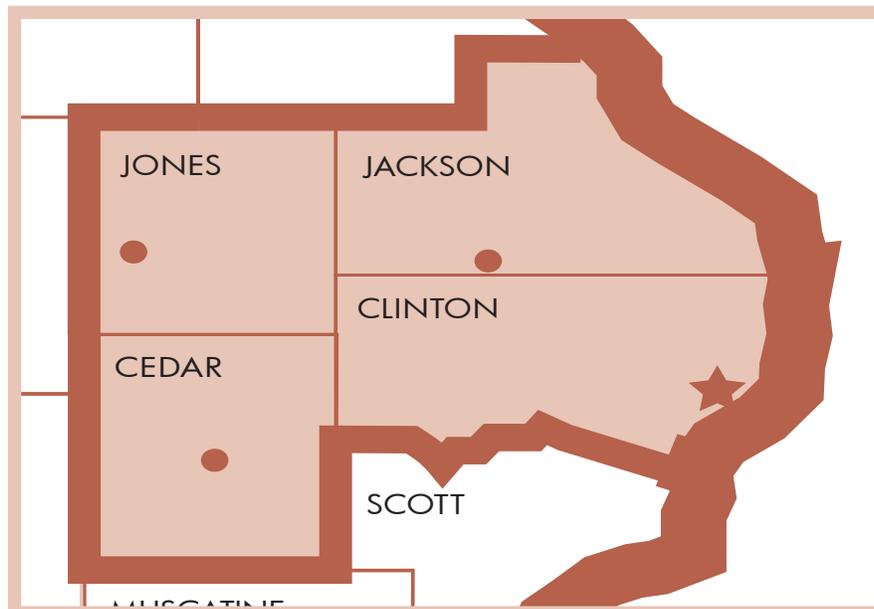
Operation and Disposal Support from DNR
\$11,224.35

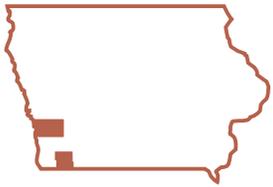
CLINTON COUNTY AREA REGIONAL COLLECTION CENTER

PARTICIPATION OVERVIEW		
	Number of Participants	Percent Participation
Households participating	1,499	3.49
Conditionally exempt small quantity generators	33	not available

TYPE OF WASTE COLLECTED		
	Subtotal Lbs.	Total Lbs.
Lead acid batteries managed locally	105,013	
Latex paint managed locally	24,720	
Used oil managed locally	95,960	
Other managed locally (sharps, electronics)	38,444	
TOTAL MANAGED LOCALLY		264,137
TOTAL CONTRACTED HHW DISPOSAL		29,634
TOTAL POUNDS MANAGED		293,771
Amount distributed in a Swap Shop	0	

KEY POINTS SUMMARY	
Total pounds collected per household	192
Total pounds collected per CESQG	176





MAIN FACILITY:
Council Bluffs

MOBILE COLLECTION SERVICE:
Pottawattamie and Page Counties

POPULATION:
40,552 households

CONTACT INFO:
4441 Gifford Road
Council Bluffs, IA
51501

Tony Fiala
(712) 328-4985

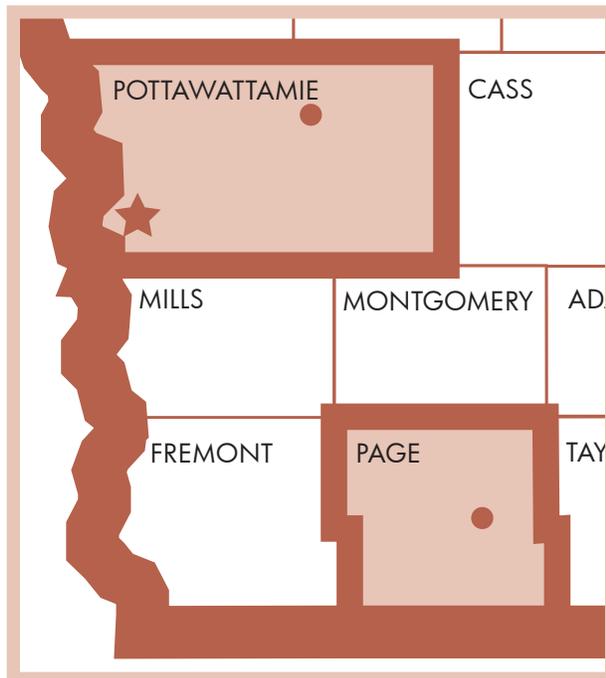
Operation and Disposal Support from DNR
\$25,516.58

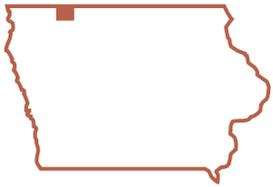
COUNCIL BLUFFS REGIONAL COLLECTION CENTER

PARTICIPATION OVERVIEW		
	Number of Participants	Percent Participation
Households participating	1,879	4.63
Conditionally exempt small quantity generators	30	not available

TYPE OF WASTE COLLECTED		
	Subtotal Lbs.	Total Lbs.
Lead acid batteries managed locally	18,480	
Latex paint managed locally	13,365	
Used oil managed locally	51,603	
Other managed locally (sharps, electronics)	44,678	
TOTAL MANAGED LOCALLY		128,126
TOTAL CONTRACTED HHW DISPOSAL		54,188
TOTAL POUNDS MANAGED		214,552
Amount distributed in a Swap Shop	32,238	

KEY POINTS SUMMARY	
Total pounds collected per household	112
Total pounds collected per CESQG	146





MAIN FACILITY:
Dickinson County

SATELLITE FACILITIES:
City of Armstrong in
Emmet Co.

POPULATION:
7,103 households

CONTACT INFO:
1107 S. Hwy. 71
Arnolds Park, IA
51331

John Walters
(712) 338-4786

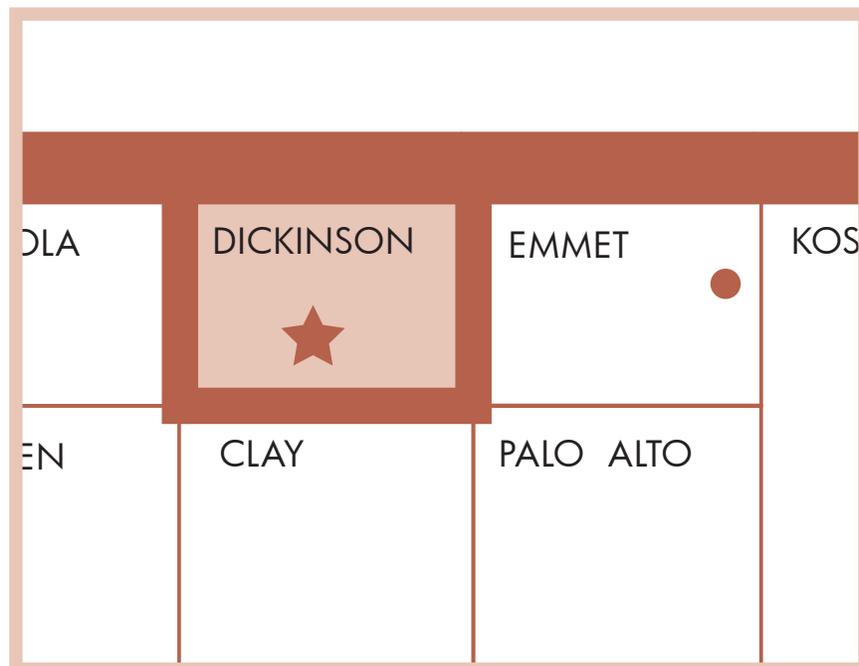
Operation and
Disposal Support
from DNR
\$1,395.00

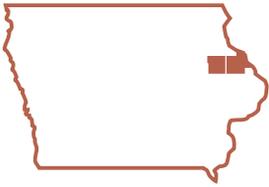
DICKINSON COUNTY SWA REGIONAL COLLECTION CENTER

PARTICIPATION OVERVIEW		Number of Participants	Percent Participation
Households participating		75	1.06
Conditionally exempt small quantity generators		9	not available

TYPE OF WASTE COLLECTED	Subtotal Lbs.	Total Lbs.
Lead acid batteries managed locally	0	
Latex paint managed locally	1,742	
Used oil managed locally	0	
Other managed locally (sharps, electronics)	107	
TOTAL MANAGED LOCALLY		1,849
TOTAL CONTRACTED HHW DISPOSAL		2,785
TOTAL POUNDS MANAGED		4,634
Amount distributed in a Swap Shop	0	

KEY POINTS SUMMARY	
Total pounds collected per household	55
Total pounds collected per CESQG	72





MAIN FACILITY:
Dubuque County

MOBILE COLLECTION SERVICE: Dubuque and Delaware counties

POPULATION:
40,524 households

CONTACT INFO:
925 Kerper Blvd.
Dubuque, IA 52001

Nancy Otterbeck
(563) 589-1720

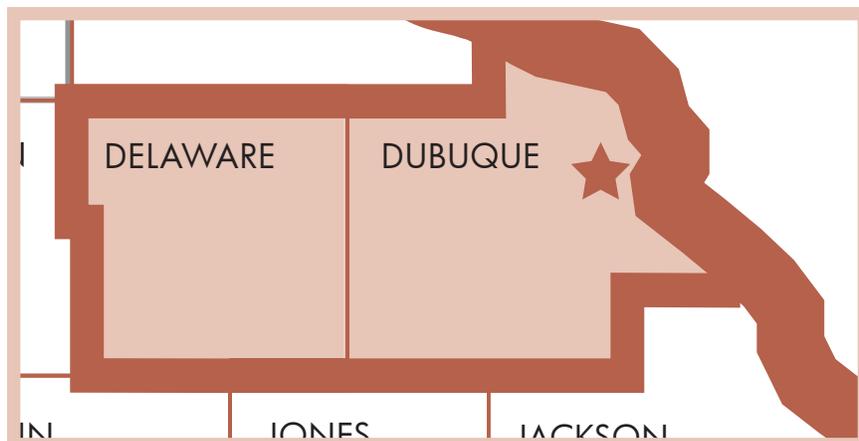
Operation and Disposal Support from DNR
\$11,025.53

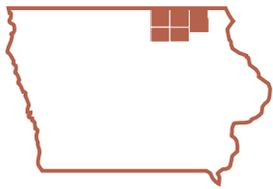
DUBUQUE REGIONAL COLLECTION CENTER

PARTICIPATION OVERVIEW		
	Number of Participants	Percent Participation
Households participating	743	1.83
Conditionally exempt small quantity generators	52	not available

TYPE OF WASTE COLLECTED		
	Subtotal Lbs.	Total Lbs.
Lead acid batteries managed locally	2,900	
Latex paint managed locally	0	
Used oil managed locally	0	
Other managed locally (sharps, electronics)	10,295	
TOTAL MANAGED LOCALLY		13,195
TOTAL CONTRACTED HHW DISPOSAL		22,480
TOTAL POUNDS MANAGED		70,795
Amount distributed in a Swap Shop	35,120	

KEY POINTS SUMMARY	
Total pounds collected per household	89
Total pounds collected per CESQG	108





MAIN FACILITY:
Floyd County

SATELLITE FACILITIES:
Chickasaw, Floyd, and Mitchell counties

MOBILE COLLECTION SERVICE: Howard and Winneshiek counties

POPULATION:
41,119 households

CONTACT INFO:
3354 330th St.
Elma, IA 50628

Ken Heimendinger
877-982-4288

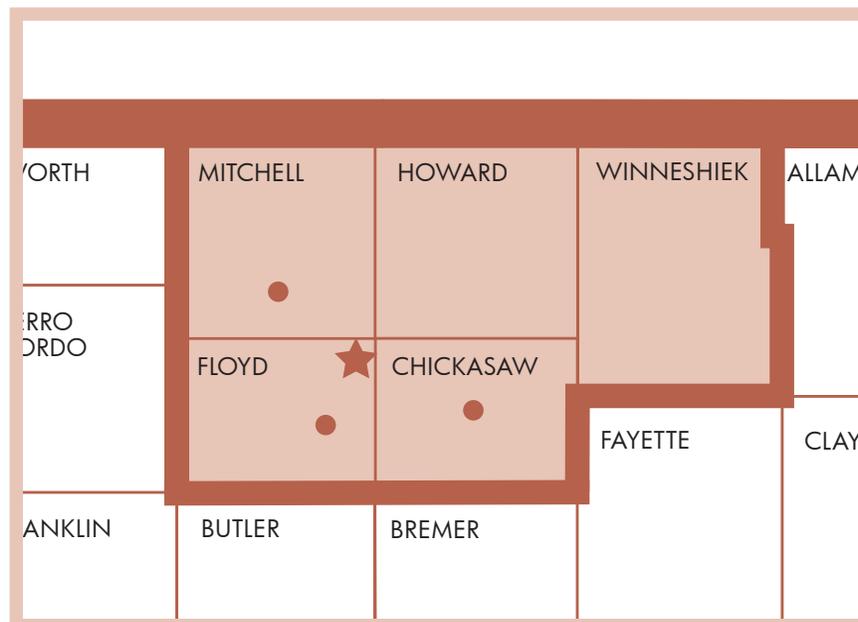
Operation and Disposal Support from DNR
\$3,674.74

FLOYD/MITCHELL/CHICKASAW CO. REGIONAL COLLECTION CENTER

PARTICIPATION OVERVIEW		
	Number of Participants	Percent Participation
Households participating	432	1.53
Conditionally exempt small quantity generators	16	not available

TYPE OF WASTE COLLECTED	Subtotal Lbs.	Total Lbs.
Lead acid batteries managed locally	4,859	
Latex paint managed locally	8,302	
Used oil managed locally	2,800	
Other managed locally (sharps, electronics)	58	
TOTAL MANAGED LOCALLY		16,019
TOTAL CONTRACTED HHW DISPOSAL		8,859
TOTAL POUNDS MANAGED		24,878
Amount distributed in a Swap Shop	0	

KEY POINTS SUMMARY	
Total pounds collected per household	56
Total pounds collected per CESQG	94





MAIN FACILITY:
Des Moines County

MOBILE COLLECTION SERVICE: Des Moines, Henry, Lee Counties and Van Buren

POPULATION:
44,757 households

CONTACT INFO:
1818 W. Burlington Ave.
Burlington, IA 52601

Elyn Holton-Dean
(319) 753-8126

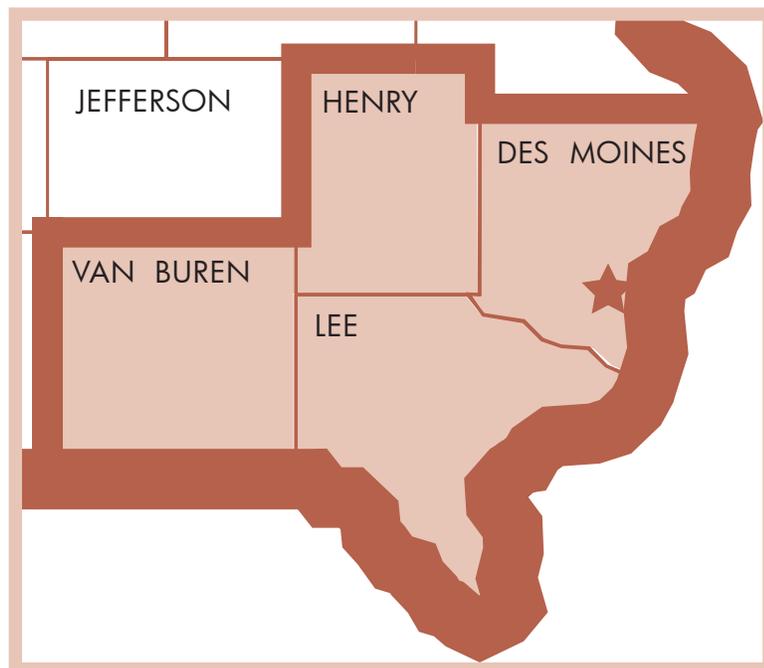
Operation and Disposal Support from DNR
\$6,512.85

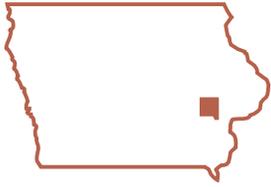
HAZCHEM CENTER OF SOUTHEAST IOWA REGIONAL COLLECTION CENTER

PARTICIPATION OVERVIEW		
	Number of Participants	Percent Participation
Households participating	602	1.39
Conditionally exempt small quantity generators	41	not available

TYPE OF WASTE COLLECTED		
	Subtotal Lbs.	Total Lbs.
Lead acid batteries managed locally	0	
Latex paint managed locally	0	
Used oil managed locally	1,044	
Other managed locally (sharps, electronics)	2,130	
TOTAL MANAGED LOCALLY		3,174
TOTAL CONTRACTED HHW DISPOSAL		13,810
TOTAL POUNDS MANAGED		22,451
Amount distributed in a Swap Shop	5,467	

KEY POINTS SUMMARY	
Total pounds collected per household	23
Total pounds collected per CESQG	210





MAIN FACILITY:
Johnson County

MOBILE COLLECTION
SERVICE:
Selected cities in
Washington County

POPULATION:
44,080 households

CONTACT INFO:
3900 Hebl Ave. SW
Iowa City, IA 52240

Dave Elias
(319) 356-5170

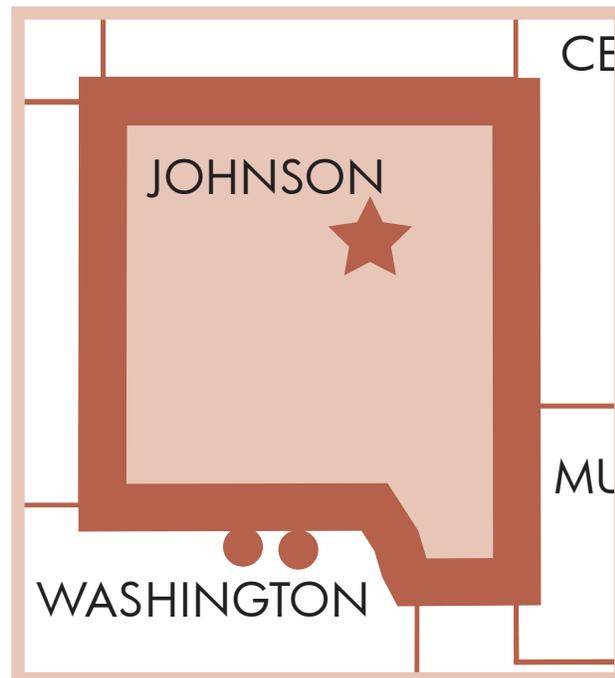
Operation and
Disposal Support
from DNR
\$32,276.86

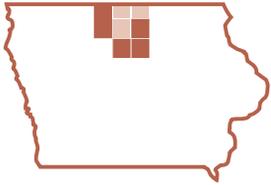
IOWA CITY REGIONAL COLLECTION CENTER

PARTICIPATION OVERVIEW	Number of Participants	Percent Participation
Households participating	1,397	3.17
Conditionally exempt small quantity generators	33	not available

TYPE OF WASTE COLLECTED	Subtotal Lbs.	Total Lbs.
Lead acid batteries managed locally	8,830	
Latex paint managed locally	38,150	
Used oil managed locally	20,560	
Other managed locally (sharps, electronics)	290,862	
TOTAL MANAGED LOCALLY		358,402
TOTAL CONTRACTED HHW DISPOSAL		67,087
TOTAL POUNDS MANAGED		429,639
Amount distributed in a Swap Shop	4150	

KEY POINTS SUMMARY	
Total pounds collected per household	301
Total pounds collected per CESQG	266





MAIN FACILITY:
Cerro Gordo County

SATELLITE FACILITIES:
Kossuth County

MOBILE COLLECTION SERVICE: Cerro Gordo, Franklin, Kossuth Counties and select cities in Worth, Hancock, and Winnebago Counties

POPULATION:
59,840 households

CONTACT INFO:
15942 Killdeer Ave.
Clear Lake, IA 50428

Bill Rowland
(641) 357-5452

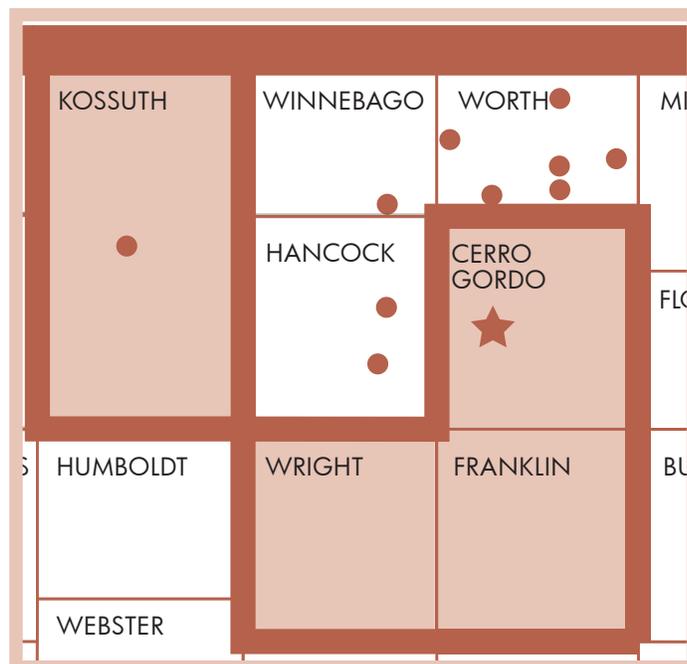
LANDFILL OF NORTH IOWA REGIONAL COLLECTION CENTER

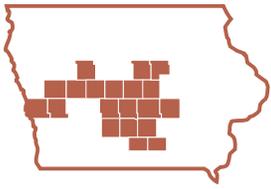
PARTICIPATION OVERVIEW		
	Number of Participants	Percent Participation
Households participating	1,705	3.08
Conditionally exempt small quantity generators	96	not available

TYPE OF WASTE COLLECTED		
	Subtotal Lbs.	Total Lbs.
Lead acid batteries managed locally	11,120	
Latex paint managed locally	68,700	
Used oil managed locally	20,200	
Other managed locally (sharps, electronics)	5,500	
TOTAL MANAGED LOCALLY		105,520
TOTAL CONTRACTED HHW DISPOSAL		38,293
TOTAL POUNDS MANAGED		147,713
Amount distributed in a Swap Shop	3,900	

KEY POINTS SUMMARY	
Total pounds collected per household	82
Total pounds collected per CESQG	318

Operation and Disposal Support from DNR
\$18,703.93





MAIN FACILITY:
Polk County

SATELLITE FACILITIES:
Boone, Calhoun,
Carroll, Crawford,
Grundy, Hardin,
Harrison, Jasper,
Madison, Marion,
Marshall, Shelby and
Story Counties

**MOBILE COLLECTION
SERVICE:** Dallas,
Greene, Lucas,
Monroe, Poweshiek,
and Warren Counties

POPULATION:
328,513 households

CONTACT INFO:
225 Prairie Dr.
Bondurant, IA 50035

Judi Mendenhall
(515) 967-5512

Operation and
Disposal Support
from DNR
\$68,395.55

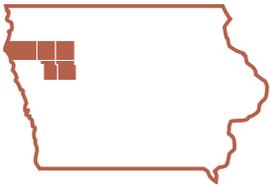
METRO WASTE AUTHORITY REGIONAL COLLECTION CENTER

PARTICIPATION OVERVIEW	Number of Participants	Percent Participation
Households participating	6,963	2.12
Conditionally exempt small quantity generators	252	not available

TYPE OF WASTE COLLECTED	Subtotal Lbs.	Total Lbs.
Lead acid batteries managed locally	29,687	
Latex paint managed locally	79,240	
Used oil managed locally	45,136	
Other managed locally (sharps, electronics)	442,287	
TOTAL MANAGED LOCALLY		596,350
TOTAL CONTRACTED HHW DISPOSAL		143,354
TOTAL POUNDS MANAGED		804,767
Amount distributed in a Swap Shop	65,063	

KEY POINTS SUMMARY	
Total pounds collected per household	112
Total pounds collected per CESQG	1,276





MAIN FACILITY:
Cherokee County

MOBILE COLLECTION SERVICE: Plymouth, Cherokee, Buena Vista, Ida and Sac counties

SATELLITE FACILITIES:
Sac County

POPULATION:
26,995 households

CONTACT INFO:
1805 Linden St.
Cherokee, IA 51012

Dennis Henrich
(712) 225-3749

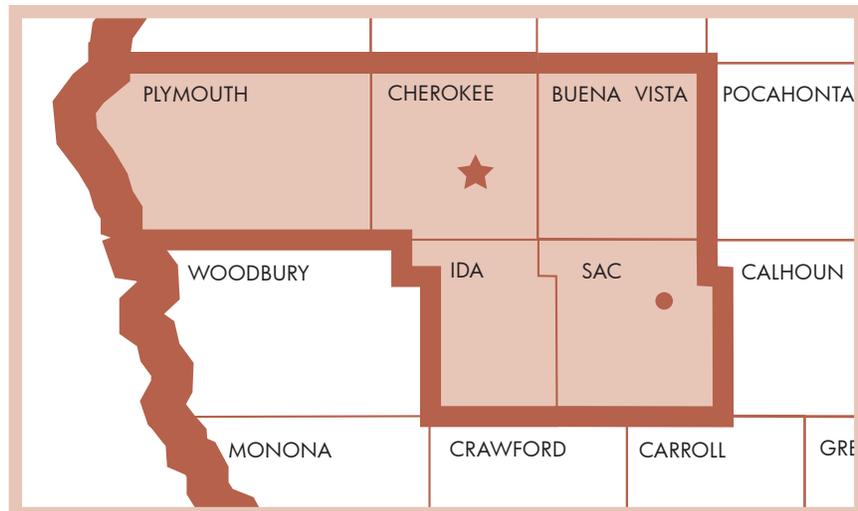
Operation and Disposal Support from DNR
\$9,819.61

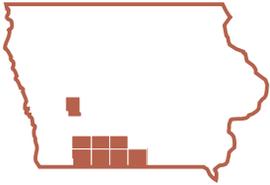
PLYMOUTH/CHEROKEE/BUENA VISTA CO. REGIONAL COLLECTION CENTER

PARTICIPATION OVERVIEW		
	Number of Participants	Percent Participation
Households participating	253	0.94
Conditionally exempt small quantity generators	2	not available

TYPE OF WASTE COLLECTED		
	Subtotal Lbs.	Total Lbs.
Lead acid batteries managed locally	260	
Latex paint managed locally	5,100	
Used oil managed locally	480	
Other managed locally (sharps, electronics)	0	
TOTAL MANAGED LOCALLY		5,840
TOTAL CONTRACTED HHW DISPOSAL		23,672
TOTAL POUNDS MANAGED		29,512
Amount distributed in a Swap Shop	0	

KEY POINTS SUMMARY	
Total pounds collected per household	116
Total pounds collected per CESQG	530





MAIN FACILITY:
Union County

SATELLITE FACILITIES:
Audubon, Clarke,
Decatur, Ringgold and
Wayne counties

MOBILE COLLECTION SERVICE: Adams and Taylor counties

POPULATION:
24,153 households

CONTACT INFO:
1774 Lark Ave.
P.O. Box 227
Creston, IA 50801

Amy Schultes
(641) 347-5022

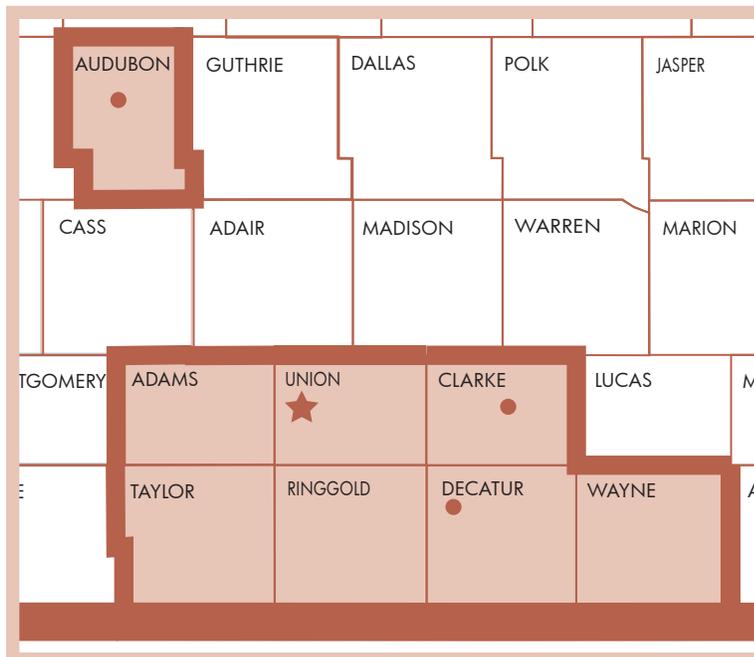
Operation and Disposal Support from DNR
\$1,282.24

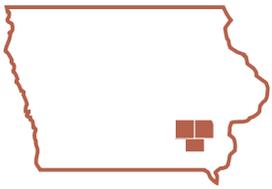
PRAIRIE SWA REGIONAL COLLECTION CENTER

PARTICIPATION OVERVIEW		
	Number of Participants	Percent Participation
Households participating	412	1.71
Conditionally exempt small quantity generators	14	not available

TYPE OF WASTE COLLECTED		
	Subtotal Lbs.	Total Lbs.
Lead acid batteries managed locally	1,020	
Latex paint managed locally	2,298	
Used oil managed locally	4,480	
Other managed locally (sharps, electronics)	33,905	
TOTAL MANAGED LOCALLY		41,702
TOTAL CONTRACTED HHW DISPOSAL		3,071
TOTAL POUNDS MANAGED		48,916
Amount distributed in a Swap Shop	4,143	

KEY POINTS SUMMARY	
Total pounds collected per household	115
Total pounds collected per CESQG	351





MAIN FACILITY:
Jefferson County

SATELLITE FACILITIES:
Jefferson, Keokuk and
Washington Counties

POPULATION:
19,291 households

CONTACT INFO:
29997 Hwy. 78
Richland, IA 52585

Ray Griffin
(319) 456-6171

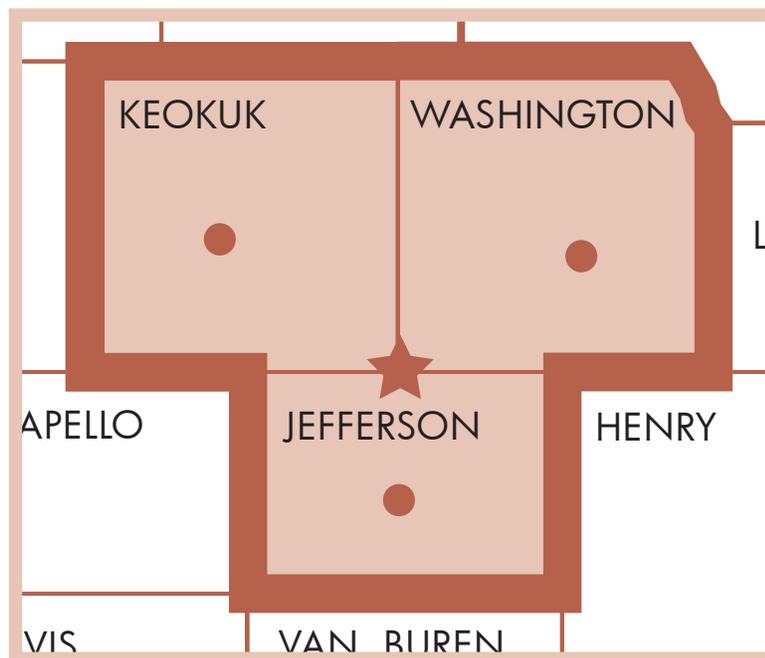
Operation and
Disposal Support
from DNR
\$1,808.06

SOUTHEAST IOWA MULTI COUNTY (SEMCO) SWA REGIONAL COLLECTION CENTER

PARTICIPATION OVERVIEW	Number of Participants	Percent Participation
Households participating	162	0.84
Conditionally exempt small quantity generators	0	not available

TYPE OF WASTE COLLECTED	Subtotal Lbs.	Total Lbs.
Lead acid batteries managed locally	0	
Latex paint managed locally	0	
Used oil managed locally	0	
Other managed locally (sharps, electronics)	3,638	
TOTAL MANAGED LOCALLY		3,638
TOTAL CONTRACTED HHW DISPOSAL		4,359
TOTAL POUNDS MANAGED		7,997
Amount distributed in a Swap Shop	0	

KEY POINTS SUMMARY	
Total pounds collected per household	27
Total pounds collected per CESQG	0





MAIN FACILITY:
Sioux City

POPULATION:
32,054 households

CONTACT INFO:
405 6th St.
Sioux City , IA 51101

Gill Hauling
(402) 632-9273

Operation and
Disposal Support
from DNR
\$795.00

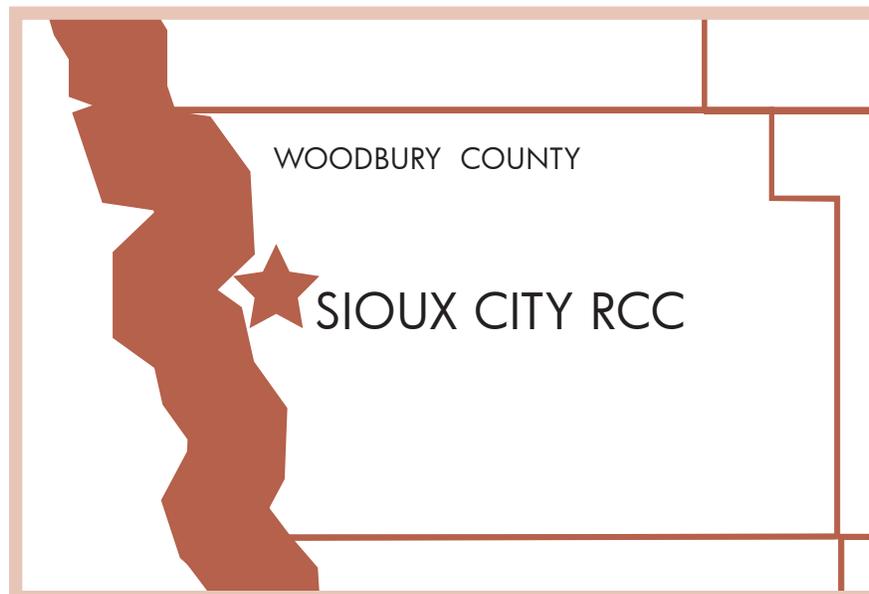
SIOUX CITY REGIONAL COLLECTION CENTER

PARTICIPATION OVERVIEW	Number of Participants	Percent Participation
Households participating	400	1.25
Conditionally exempt small quantity generators	0	not available

TYPE OF WASTE COLLECTED	Subtotal Lbs.	Total Lbs.
Lead acid batteries managed locally	480	
Latex paint managed locally	23,435	
Used oil managed locally	2,359	
Other managed locally (sharps, electronics)	327	
TOTAL MANAGED LOCALLY		26,601
TOTAL CONTRACTED HHW DISPOSAL		1,598
TOTAL POUNDS MANAGED		32,542
Amount distributed in a Swap Shop	4,343	

KEY POINTS SUMMARY

Total pounds collected per household	81
Total pounds collected per CESQG	0





MAIN FACILITY:
Scott County

SATELLITE FACILITY:
Muscatine County

MOBILE COLLECTION SERVICE: Louisa County

POPULATION:
82,700 households

CONTACT INFO:
P.O. Box 563
Buffalo, IA 52728

Kathy Morris
(563) 381-1300

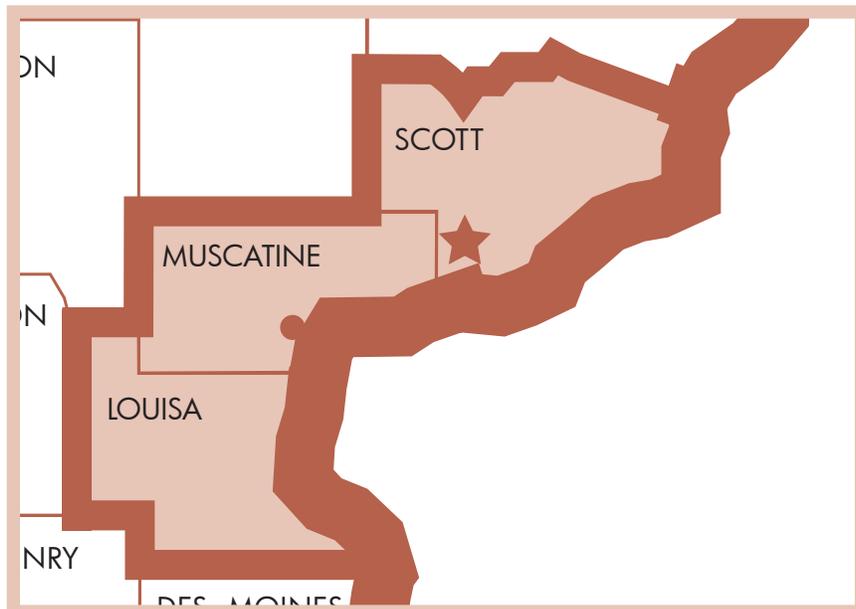
WASTE COMMISSION OF SCOTT COUNTY REGIONAL COLLECTION CENTER

PARTICIPATION OVERVIEW		Number of Participants	Percent Participation
Households participating		4,335	5.24
Conditionally exempt small quantity generators		176	not available

TYPE OF WASTE COLLECTED	Subtotal Lbs.	Total Lbs.
Lead acid batteries managed locally	14,952	
Latex paint managed locally	359,412	
Used oil managed locally	150,520	
Other managed locally (sharps, electronics)	21,625	
TOTAL MANAGED LOCALLY		546,509
TOTAL CONTRACTED HHW DISPOSAL		119,311
TOTAL POUNDS MANAGED		707,830
Amount distributed in a Swap Shop	42,010	

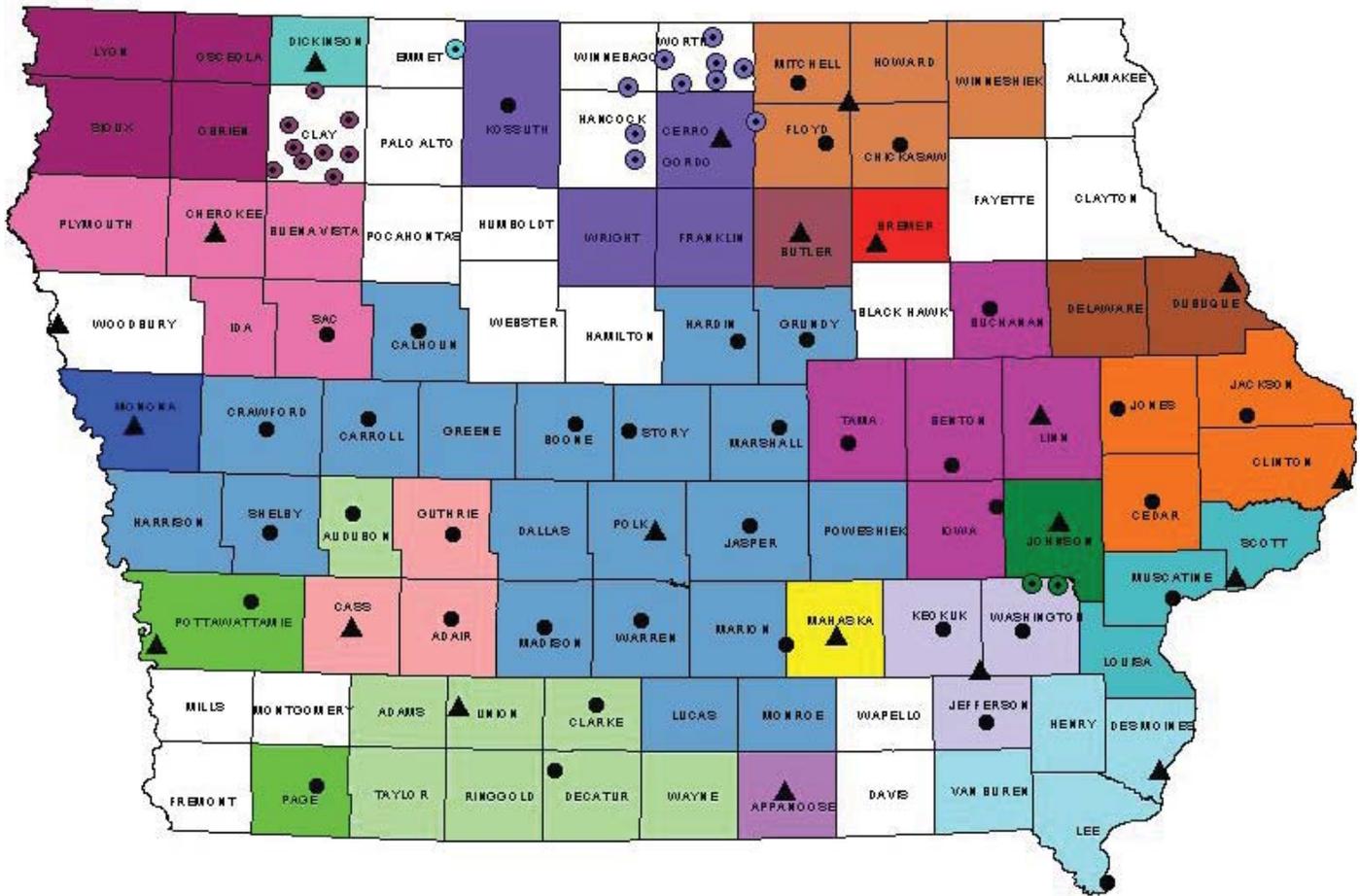
KEY POINTS SUMMARY	
Total pounds collected per household	157
Total pounds collected per CESQG	246

Operation and Disposal Support from DNR
\$55,531.45



SECTION 2:
REGIONAL
COLLECTION
CENTER
CONTACT
INFORMATION

HHM REGIONAL COLLECTION CENTERS



▲ RCC Main Facilities ● Satellites

- Appannose Co. RCC
- Dubuque Co. RCC
- Monona County RCC
- Bremer Co. RCC
- Floyd, Mitchell, Chickasaw RCC
- Niaswa RCC
- Butler Co. RCC
- Haz Chem RCC
- Niaswa Service Cities
- Cass Co. RCC
- Iowa City RCC
- PCB RCC
- Cedar Rapids / Linn Co. RCC
- Iowa City Serviced Cities
- Prairie and Partners RCC
- Clinton Co. RCC
- Landfill of North Iowa
- Scott Co RCC
- Council Bluffs RCC
- LNI Serviced Cities
- SEMCO
- Dickinson Co. RCC
- Mahaska Co. RCC
- ▲ Sioux City RCC
- Dickinson Serviced Cities
- Metro Waste Authority
- Appanoose
- Davis
- Van Buren
- Lee
- Unserviced Counties

IOWA REGIONAL COLLECTION CENTER CONTACT INFORMATION

Main facilities are listed in CAPS with satellite facilities listed beneath.

RCC/COMMUNITIES SERVED	PHONE	COUNTIES SERVED	WEBSITE
BREMER CO. RCC	319-352-4574	Bremer	
BUTLER CO. RCC	319-267-2070	Butler	
CASS CO. RCC Adair Co./Guthrie Co.	712-243-1991 641-743-0133	Adair Cass Guthrie	
CEDAR RAPIDS/LINN CO. SWA Benton Co. Buchanan Co. Iowa Co. Tama Co.	319-373-4771 319-828-4401 319-440-1080 319-472-2211 641-484-3341	Benton Buchanan Iowa Linn Tama	www.solidwasteagency.org/ services_pollution.asp
CLINTON CO. AREA SWA Cedar Co. Jackson Co. Jones Co.	563-243-4749	Cedar Clinton Jackson Jones	www.ccaswa.org www.jcsda.org
COUNCIL BLUFFS RCC Page Co. Pottawattamie Co.	712-328-4985 712-542-4215 712-328-4985	Page Pottawattamie	http://www.health.coun- cilbluffs-ia.gov/solidwaste. asp?page=8
DICKINSON CO.	712-338-4786	Dickinson •City of Armstrong (Emmet Co.)	
DUBUQUE CO. SWA	563-589-1720	Delaware Dubuque	www.dmaswa.org
FLOYD/MITCHELL/CHICKASAW CO. SWA Howard Co. Winneshiek Co.	877-982-4288	Chickasaw Floyd Howard Mitchell Winneshiek	www.fmclandfill.org/house- holdhazmat.html
HAZCHEM CENTER OF SE IOWA DES MOINES CO.	319-753-8758	Des Moines Henry Lee Van Buren	www.wastewrap.org
IOWA CITY RCC	319-356-5170	Johnson	

Main facilities are listed in CAPS with satellite facilities listed beneath.

RCC/COMMUNITIES SERVED	PHONE	COUNTIES SERVED	WEBSITE
LANDFILL OF NORTH IOWA Kossuth Co.	641-357-5452 515-924-3739	Franklin Cerro Gordo Wright •Cities of Klemme and Garner (Hancock Co.) •Forest City (Winnebago Co.) •Cities of Joice, Hanlontown, Northwood, Kennset, Manly and Grafton (Worth Co.) •City of Nora Springs (Floyd Co.)	www.landfillnorthiowa.org
MAHASKA CO. RCC	641-673-9266	Mahaska	
MONONA CO. RCC	712-353-6300	Monona	
METRO WASTE AUTHORITY POLK CO. Boone Co. Calhoun Co. Carroll Co. Crawford Co. Grundy Co. Hardin Co. Harrison Co. Jasper Co. Madison Co. Marion Co. Marshall Co. Shelby Co. Story Co. Warren Co.	515-967-5512 888-603-2739 515-433-0591 888-603-2739 712-792-5001 641-743-8343 319-824-6967 641-939-5808 888-603-2739 641-792-3866 515-462-3083 641-828-8545 641-752-0646 712-792-5001 515-239-5137 888-603-2739	Boone Calhoun* Carroll Crawford Dallas* Greene* Grundy Hardin Harrison Jasper Lucas* Madison Marion Marshall Monroe Polk* Poweshiek * Shelby Story Warren*	www.mwatoday.com www.sciswa.org
NORTHWEST IOWA SWA	712-234-4026	Lyon O'Brien Osceola Sioux •Incorporated Clay Co., excluding the City of Spencer	

*Contact Metro Waste Authority with questions relating to location and operation of the Regional Collection program in your county.

Main facilities are listed in CAPS with satellite facilities listed beneath.

RCC/COMMUNITIES SERVED	PHONE	COUNTIES SERVED	WEBSITE
PLYMOUTH/CHEROKEE/BUENA VISTA CO. RCC	712-225-3749	Buena Vista Cherokee Ida Plymouth Sac	
PRAIRIE SWA UNION CO. Audubon Co. Clarke Co. Decatur Co.	641-347-5022 712-563-3589 641-342-2662 641-773-5229	Adams Audubon Clarke Decatur Ringgold Taylor Union Wayne	www.prairieswa.org
SEMCO SWA Jefferson Co. Keokuk Co. Washington Co.	319-456-6171 641-472-2952 641-622-3080 319-653-6373	Jefferson Keokuk Washington	
RATHBUN AREA RCC Appanoose Co. Opening Spring 2009	641-437-7279	Appanoose	
SIOUX CITY RCC	712-279-6222	Serving Sioux City only	
WASTE COMM. OF SCOTT CO. Muscatine Co.	563-381-1300 563-263-9689	Louisa Muscatine Scott	

HOUSEHOLD HAZARDOUS MATERIALS REFERENCE LIST (not inclusive)

The CAPITALIZED HEADINGS are categories listed in the Groundwater Protection Act. The materials listed under the headings are there to assist you in identifying the types of products included under the HHM program.

MOTOR OILS & MOTOR OIL ADDITIVES

- All motor oil products
- Engine lubricants
- Oil and transmission fluid additives
- Transmission fluid
- Oil

MOTOR OIL FILTERS

- All types, canister or replaceable filter elements

GASOLINE & DIESEL ADDITIVES

- All types of gas treatments & gas line freeze-up products

DEGREASERS

- All engine cleaners, most of these are also solvents, many come in aerosol cans

WAXES & POLISHES (except nail polish)

- Shoe polishes
- Car waxes
- Spray dust cleaners
- Floor waxes
- Furniture polishes
- Furniture stains

SOLVENTS (except water)

- Mineral spirits
- Alcohols
- Naphtha
- Turpentine
- Cresol

PAINTS (except latex-based materials)

- All other paints-brush or spray including aerosol paints
- Lacquers & thinners (except water)

CATHODE RAY TUBES, CRT's

- Found in Computer monitors and television sets (not LCD or Plasma screens)

CAUSTIC HOUSEHOLD CLEANERS

- Drain cleaners
- Most oven cleaners
- Brass cleaners
- Toilet bowl cleaners
- Rust removers
- Silver & Chrome

SPOT & STAIN REMOVERS (petroleum based)

PETROLEUM BASED FERTILIZERS

PESTICIDES

Any insecticide product including, but not limited to:

- Yard & garden sprays
- Flea & tick products for pets
- Moth balls
- Rodenticides
- Bug sprays or stick creams
- Roach powder
- Fly strips
- Algaecides
- Fungicides
- Herbicides

MISCELLANEOUS

- Lead-acid batteries
- Pool chemicals
- Photography chemicals
- Eye glass cleaner
- Windshield wiper solution
- Self-lighting charcoal
- Gun cleaner solution
- All aerosols (except personal care products)
- Rechargeable batteries
- Antifreeze
- Wood preservatives
- Butane lighters
- Most glues & adhesives
- Charcoal lighter fluid
- Jewelry cleaner

QUESTIONS?

Contact the Department of Natural Resources at 515-281-4367
or visit our website at www.iowadnr.gov/waste/hhm/index.html



Iowa Department of Natural Resources
Land Quality Bureau